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PPP	AAA AAA	titi	22222222222	ннн ннн
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PA

Chris Hume

PROGRAMMER

Added double byte OPcode support. Changed use of PAT\$CONV R 50 to the RTL routine R50ASC. Removed the former from this module.

PURPOSE

01.09

MODIFICATIONS:

DATE

27-Aug-1979

PA

PATCON V04-000					16-Sep-1984 00:26:45 14-Sep-1984 12:52:30	VAX-11 Bliss-32 V4.0-742 Page DISK\$VMSMASTER:[PATCH.SRC]PATCON.B32;1 (1
58 59 60 61 62 63 64 65 66 67 68 69 70	0058 1 0059 1 0060 1 0061 1 0062 1 0063 1 0064 1 0065 1 0066 1 0067 1 0069 1 0070 1	00 01 02 03 04 05 06 07 08	19-0CT-77 4-JAN-78 21-FEB-78 24-MAR-78 04-APR-78 25-APR-78 18-MAY-78 13-JUN-78 19-JUN-78	K.D. MORSE K.D. MORSE K.D. MORSE K.D. MORSE K.D. MORSE K.D. MORSE K.D. MORSE K.D. MORSE K.D. MORSE	NO CHANGES FOR	VERFLOW CHECK. WITH IFTHEN PERFLOW CHECK AS ES. (9) 10. IVE COMPILER.

PATCON VO4-000			16-Sep-1984 00:26:45 14-Sep-1984 12:52:30	VAX-11 Bliss-32 V4.0-742 Page 3 DISK\$VMSMASTER:[PATCH.SRC]PATCON.B32;1 (2)
73 74 75 76	0072 0073 0074 0075	FORWARD ROUTINE PATSRADX_CONVRT : NOVALUE; LIBRARY 'SYS\$LIBRARY:STARLET.L32'; REQUIRE 'SRC\$:VXSMAC.REQ'; REQUIRE 'SRC\$:PATPCT.REQ';		! Converts a string to a value
78 0141 79 0181 80 0403 81 0457 82 0631 83 0632 84 0633	0141 0181 0403 0457 0631 0632 0633	REQUIRE 'SRCS:PATGEN.REQ'; 1 REQUIRE 'LIBS:PATMSG.REQ'; 1 REQUIRE 'LIBS:PATMSG.REQ';		nes literals
83 84	0632 0633	1 EXTERNAL PATSGB_MOD_PTR: REF VECTOR	C, BYTE];	! Pointer to current modes

PA

.....

....

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PATCON
VO4-000
                                                                                                                                                                                                                                                      16-Sep-1984 00:26:45
14-Sep-1984 12:52:30
                                                                                                                                                                                                                                                                                                                                                  VAX-11 Bliss-32 V4.0-742 Page DISK$VMSMASTER:[PATCH.SRC]PATCON.B32;1
                                                                                          VALUE[1] = 0;

GIVE_MESSAGE = FALSE;

NEGATE = FALSE;

INCR N FROM 0 TO (NUM_MAX_LENGTH - 1) DO
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          BEGIN
                                                                                                                            IF (CHAR = .STRING_ADDR [.N]) EQL O THEN EXITLOOP; IF (.N EQL O)
                                                                                                                            THEN
                                                                                                                                                         BEGIN
IF (.CHAR EQL '-')
                                                                                                                                                           THEN
                                                                                                                                                                                       BEGIN
NEGATE = TRUE;
CHAR = 'O'
                                                                                                                                                         ELSE
                                                                                                                                                                                        IF (.CHAR EQL '+')
THEN CHAR = '0';
                                                                                                                           IF ((.CHAR GEQ 'O') AND (.CHAR LEQ '9'))
                                                                                                                          THEN
                                                                                                                                                         CHAR = .CHAR - '0'
                                                                                                                          ELSE
                                                                                                                                                          IF ((.CHAR GEQ 'A') AND (.CHAR LEQ 'F'))
                                                                                                                                                         THEN
                                                                                                                                                                                        CHAR = .CHAR - 'A' + 10
                                                                                                                                                         ELSE
                                                                                                                          IF . CHAR GEQ .PATSGB_MOD_PTR [MODE_RADIX]
                                                                                                                          THEN
                                                                                                                                                         GIVE_MESSAGE = PAT$_INVNUMBER
                                                                                                                        EMUL(VALUE[0], %REF(.PAT$GB_MOD_PTR[MODE_RADIX]), CHAR, VALUE);
IF .VALUE[1] NEQ 0
                                                                                                                                                        GIVE_MESSAGE = PAT$_NUMTRUNC;
                                                                                                                                                                                                                                                                                                                                                  ! Numeric overflow
                                                                                           IF (.GIVE_MESSAGE NEQ 0)
                                                                                          IF .NEGATE SIGNAL (.GIVE_MESSAGE);
                                                                                            THEN
                                                                                           VALUE_ADDR [0] = - .VALUE[0];
                                                                                                                                                                                                                                                                                            .TITLE
                                                                                                                                                                                                                                                                                                                          PATCON
                                                                                                                                                                                                                                                                                                                           1404-0001
                                                                                                                                                                                                                                                                                            .EXTRN
                                                                                                                                                                                                                                                                                                                          PATSGB_MOD_PTR
                                                                                                                                                                                                                                                                                                                           _PAT$CODE,NOWRT,2
                                                                                                                                                                                                                                                                                            .PSECT
                                                                                                                                                                                                                  00000 00000
                                                                                                                                                                                                                                                                                            .ENTRY
                                                                                                                                                                                                                                                                                                                          PATSRADX_CONVRT, Save R2,R3,R4 #4, SP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0634
                                                                                                                                                      5E
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PA

1	the second control
ı	DATCON
1	PATCON
1	VOL-DOD
1	V04-000

				16-Sep-1 14-Sep-1	984 00:26 984 12:52	:45 VAX-11 BLiss-32 V4.0-742 :30 DISK\$VMSMASTER: [PATCH.SRC]PATCO	N.B32;1 (3)
		04	7E 04 AE 04 53 7C	00005 00007 0000A	CLRL CLRQ CLRL MOVZBL BEQL TSTL BNEQ CMPL BNEQ MOVL BRB CMPL BNEQ	VALUE VALUE+4 GIVE_MESSAGE	: 0690 : 0691 : 0692 : 0719 : 0696
		50 04 B0	/ 1 1 3	0000A 0000C 0000E 00013 00015 00017 00019 0001C 0001E 00021 00023 2\$:	MOVZBL BEQL TSTI	astring_addr[N], CHAR	0696
		20	52 05 12 12 50 01 05 12	00017 00019 00016	BNEQ CMPL BNEQ	4\$ CHAR, #45	0700
		54 2B	01 D0 05 11 50 D1		MOVL BRB CMPL	N1, NEGATE 3\$ CHAR, #43	0703 0704 0707
		50 30	03 12 30 00 50 01	00026 00028 3\$: 00028 4\$:	BNEQ MOVL CMPL	4\$ #48, CHAR CHAR, #48	0708 0710
		39 50	05 11 03 12 30 D1 05 D1 05 D1 05 D1 05 D1 05 D1 05 D1 05 D1 05 D1	00026 00028 3\$: 0002B 4\$: 0002E 00030 00033 00035 00038 0003A 5\$: 00041 00043	MOVL CMPL BLSS CMPL BGTR SUBL2	CHAR, #57 5\$ #48, CHAR 7\$	0712
	00000041 00000046	8F	1C 11 50 D1 0E 19 50 D1	00038 0003A 5\$: 00041	BRB CMPL BLSS CMPL BGTR SUBL2	7\$ CHAR, #65 6\$ CHAR, #70	0714
	00000040	50	05 14 37 C2 05 11	0004A 0004C 0004F 00051 6\$:	BGTR SUBL2 BRB	6\$ #55, CHAR 7\$	0716
50 00000000G	FF	50 0100 08	8F 3C 00 ED 09 14	00051 6\$: 00056 7\$:	BRB MOVZWL CMPZV BGTR MOVL BRB MOVZBL	#256, CHAR #0, #8, aPAT\$GB_MOD_PTR, CHAR 8\$	0718 0719
		53 006D80EA	8F DO	00056 7\$: 0005F 00061 00068	MOVL BRB	#7176426, GIVE_MESSAGE	0721
6E	50	51 00000000G 51 04	8F 3C 00 ED 09 14 8F D0 0C 11 FF 9A 6E 7A AE D5 07 13	0006A 8\$: 00071 00076 9\$:	TSTI	APATSGB_MOD_PTR, R1 VALUE, R1, CHAR, VALUE VALUE+4	0724
	88	53 006D8023	8F DO		BEQL MOVL AOBLEQ TSTL BEQL PUSHL CALLS BLBC MNEGL	#7176227, GIVE_MESSAGE #19, N, 18 GIVE_MESSAGE	0727 0694 0729
	000000006	00	13 F3 53 D5 09 13 53 DD 54 E9 6E D0	0008A 0008C 00093 12\$:	PUSHL	GIVE MESSAGE	0731
	08	00 03 6E BC	6E CE 6E DO 04	00096 00099 00099 13\$:	MNEGL MOVL RET	GIVE_MESSAGE #1, CIB\$SIGNAL NEGATE, 13\$ VALUE, VALUE VALUE, @VALUE_ADDR	0732 0734 0735 0736

; Routine Size: 158 bytes, Routine Base: _PAT\$CODE + 0000

VAX-11 Bliss-32 V4.0-742 Page DISK\$VMSMASTER:[PATCH.SRC]PATCON.B32;1 PATCON VO4-000 : 190 0737 1 END 0738 0 ELUDOM .EXTRN LIB\$SIGNAL PSECT SUMMARY Attributes Bytes Name _PATSCODE 158 NOVEC, NOWRT, RD, EXE, NOSHR, LCL, REL, CON, NOPIC, ALIGN(2) Library Statistics Processing ----- Symbols -----Pages File Time Total Loaded Percent Mapped \$255\$DUA28:[SYSLIB]STARLET.L32:1 9776 00:01.0 581 COMMAND QUALIFIERS BLISS/CHECK=(FIELD, INITIAL, OPTIMIZE)/VARIANT:1/LIS=LIS\$:PATCON/OBJ=OBJ\$:PATCON MSRC\$:PATCON/UPDATE=(ENH\$:PATCON) 158 code + 0 data bytes 00:11.5 00:49.4 Size: Run Time: Elapsed Time: 00:49.4 : Lines/CPU Min: 3857 : Loxemes/CPU-Min: 55426 : Memory Used: 107 pages : Compilation Complete

PAT

0300 AH-BT13A-SE

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